

1. (Currently Amended) A blood treatment device comprising:

a treating ~~means that performs~~ unit configured to perform a predetermined treatment to blood collected from a patient;

a measuring ~~means that measures~~ unit configured to measure at least one blood parameters parameter and ~~indicates the~~ to indicate a status of said blood of said patient;

a controlling ~~means that controls~~ unit configured to control at least one treatment conditions condition based on said blood ~~parameters~~ parameter measured using said measuring ~~[[means]]~~ unit;

a storing ~~means that stores~~ unit configured to store an ideal patient-specific blood parameter curve for a specific treatment duration, said ideal patient-specific blood parameter curve being obtained based on said blood parameter that is measured in real time in a blood treatment for said patient prior to said predetermined treatment of said patient; and

a directing ~~means that compares~~ unit configured to compare said ideal patient-specific blood parameter curve stored in said storing ~~[[means]]~~ unit with said blood parameters parameter measured with said measuring ~~[[means]]~~ unit, and ~~that changes the~~ to adjust a control from said controlling ~~[[means]]~~ unit so that said measured blood ~~parameters~~ parameter approximate to said ideal patient-specific blood parameter curve.

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3. (Currently Amended) The blood treatment device of claim 1 wherein:

said treating [[means]] unit is ~~formed from~~ provided with a driving [[means]] unit for a blood purifying apparatus ~~that purifies~~ configured to purify said blood of said patient while extracorporeally circulating said blood; and

said at least one treatment condition controlled by said controlling [[means]] unit is selected from the group consisting of [[:]] a water removal rate, a blood flow rate, a fluid substitution rate, a concentration of a dialyzing fluid, a sodium ion concentration, a blood treatment duration, a flow rate of a dialyzing fluid, a temperature of a dialyzing fluid, a volume of a substitution fluid, an amount of a drug injected, and a rate of a drug injection, ~~or combinations thereof.~~

4. (Currently Amended) The blood treatment device of claim 1, wherein said ideal patient-specific blood parameter curve is corrected based on [[a]] said blood parameter measured by said measuring [[means]] unit at [[the]] a start of said predetermined [[blood]] treatment.

5. (Currently Amended) The blood treatment device of claim 1, wherein said directing ~~means varies a change in~~ unit adjusts said control of said controlling [[means]] unit based on a deviation between said ideal patient-specific blood parameter curve and said blood parameter measured by said measuring [[means]] unit.

6. (Currently Amended) The blood treatment device of claim 1, wherein said ideal patient-specific blood parameter curve stored in said storing [[means]] unit is an approximation equation

directing to adjust ~~changing the control of~~ said controlling ~~[[means]]~~ when said ~~treating~~
~~means is to perform a~~ said predetermined treatment for said ~~particular~~ patient is performed in said
performing, so that said blood ~~parameters~~ parameter measured ~~[[by]]~~ in said measuring ~~[[means]]~~
approximate said ideal patient-specific blood parameter curve.

12. (Currently Amended) The blood treatment method of claim 11, wherein said blood parameter is a hematocrit value indicating either a blood concentration or a rate of change [[of]] in a circulating blood volume derived from said hematocrit value.

13. (Currently Amended) The blood treatment method of claim 11, wherein:
said ~~treating means~~ is formed from a performing includes driving means for a blood
purifying apparatus ~~that purifies~~ configured to purify said blood of said patient while
extracorporeally circulating said blood; and

said at least one treatment condition controlled [[by]] in said controlling [[means]] is selected from the group consisting of [[:] a water removal rate, a blood flow rate, a fluid substitution rate, a concentration of a dialyzing fluid, a sodium ion concentration, a blood treatment duration, a flow rate of a dialyzing fluid, a temperature of a dialyzing fluid, a volume of a substitution fluid, an amount of a drug injected, a rate of a drug injection, ~~or combinations thereof.~~

14. (Currently Amended) The blood treatment method of claim 11, wherein said ideal patient-specific blood parameter curve is corrected based on said blood ~~parameters~~ parameter measured [[by]] in said measuring [[means]] at [[the]] a start of [[blood]] said predetermined treatment.

15. (Currently Amended) The blood treatment method of claim 11, wherein, in said ~~further comprising a directing, means that varies a change in control of~~ said controlling [[means]] is adjusted based on a deviation between said ideal patient-specific blood parameter curve and said blood parameter measured [[by]] in said measuring [[means]].

16. (Canceled)

17. (Currently Amended) The blood treatment method of claim 11, wherein, when said blood ~~parameters~~ parameter measured [[by]] in said measuring ~~means undergo~~ undergoes an abrupt change, a direction to ~~change from~~ adjust in said directing [[means]] is overridden in such a way as to suppress said abrupt change.

21. (Currently Amended) The blood treatment method of claim 20, wherein said ~~directing~~
~~means direction~~ is overridden by said controlling ~~[[means]]~~, which changes the ~~control direction~~ to
approximate ~~the measured~~ a hematocrit value, measured as said blood parameter in said measuring,
to the ideal patient-specific blood parameter curve..